

REQUEST FOR PROPOSALS
CATAWBA COUNTY, NEWTON NC

Sale of Landfill Gas
#16-1002

September 9, 2015

Catawba County is soliciting proposals for the purchase of a portion of the gas generated at the County's Blackburn Resource Recovery Facility (Blackburn Landfill), hereinafter referred to as "landfill gas", located at 4017 Rocky Ford Road, Newton, NC. The Blackburn Resource Recovery Facility is a component of the County's EcoComplex. Landfill gas is currently collected and burned in three, 1-MW Internal Combustion engine/generator sets with the electricity sold to Duke Energy. The intent of this RFP is to sell a portion of the gas stream for use in other, privately developed, renewable energy projects at the EcoComplex. The successful proposal shall form the basis for negotiation of a sales agreement that will include final terms and conditions. The contract period shall be for fifteen (15) years with an option to extend for an additional five (5) years if both parties agree. In addition to the price offered for the landfill gas, proposer shall demonstrate the viability of their technology and renewable energy project, and the proposal selected as most advantageous to the County will include a review of this information. Proposals must be submitted to Debbie Anderson, Purchasing Manager, no later than 2:00 pm EDT on Monday September 21, 2015.

The Request for Proposal and any addenda issued can be found on our web site at
<http://www.catawbacountync.gov/purchase>

Catawba County reserves the right to reject any and all proposals and to waive any formalities as may be permitted by law.

Debbie Anderson, Purchasing Agent
Catawba County
100A South West Blvd.
PO Box 389
Newton, NC 28658

828-465-8224
danderson@catawbacountync.gov

CATAWBA COUNTY
RFP #16-1002
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Proposal FORM

Fifteen (15) year contract with option for an additional five (5) years if both parties agree to extend. The minimum price for Years 1-5 shall be fixed at no less than \$2.00 per mmBtu. Gas flow and heat content (i.e., mmBtu) will be measured by County's flow and gas composition equipment at the County's new gas conditioning skid. Gas will then pass to proposer's equipment at a point in close proximity to County's gas conditioning skid with real time data shared with the successful proposer. The sale price for Years 6-15, and 16-20 (if option is exercised) shall be the initial \$2.00 rate increased annually at the same percentage rate of increase as the annual per kWh price that Duke Energy pays Catawba County for the electricity generated from its renewable energy facility. A minimum annual purchase amount is not required, nor does the County guarantee, an uninterruptable supply, amount, quantity, or quality of landfill gas to proposer. The County reserves the right to limit daily Landfill Gas purchase to 500 scfm at any time during the term of the agreement. Proposal must form the basis for a sales agreement in which final terms and conditions will be negotiated. In addition to the pricing requested below, proposer must submit information that demonstrates the viability of their technology and proposed renewable energy project in which the gas will be used, as well as references from other similar projects. The County will select the proposal that is most advantageous considering the pricing, technology, and reference information provided. The County reserves the right to reject any and all proposals and to waive any formalities as may be permitted by law.

Fixed price bid for Purchase of Landfill Gas Years 1-5

\$_____ per mmBtu

Name

Company Name

Address

Phone Number

E-mail

Date

**REQUEST FOR PROPOSALS
CATAWBA COUNTY, NEWTON, NC**

Sale of Landfill Gas

#16-1002

Requested

Catawba County is soliciting proposals for the sale of landfill gas that is generated at the County's Blackburn Resource Recovery Facility, a component of the County's EcoComplex, located at 4017 Rocky Ford Road in Newton, NC. The County currently collects landfill gas that is generated from the decomposition of municipal solid waste at the Blackburn Resource Recovery Facility and burns it in three, 1-MW Internal Combustion engine/generator sets to generate electricity for sale to Duke Energy. The contract is to be for a 15 year period with an option to renew, if both parties agree, for an additional 5 years. Fixed pricing is requested for the initial five year period of the contract at a rate no less than \$2.00 per mmBtu. The sale price for Years 6-15, and 16-20 (if option is exercised) shall be the initial \$2.00 rate increased annually at the same percentage rate of increase as the annual per kWh price that Duke Energy pays Catawba County for the electricity generated from its renewable energy facility. A minimum annual purchase amount is not required nor does the County guarantee an uninterruptable supply, amount or quality of landfill gas to proposer. Proposal shall form the basis for a sale agreement in which final terms and conditions will be negotiated. In addition to the pricing requested below, proposer shall submit information that demonstrates the viability of their technology and proposed renewable energy project in which the gas will be used as well as references for other similar projects. The County will select the proposal that is most advantageous considering the pricing, technology and reference information provided. The County reserves the right to reject any and all proposals and to waive any formalities as may be permitted by law.

Proposals must be submitted to Debbie Anderson, Purchasing Manager, no later than 2:00 pm, September 21, 2015. This RFP is exclusively for the purchase of landfill gas, as defined herein, from the Blackburn Resource Recovery Facility. Proposals shall be submitted in a sealed envelope either hand delivered, mailed or expressed mailed. . Proposals received after the aforementioned time will not be considered.

Debbie Anderson, Purchasing Manager
Catawba County
100A South West Boulevard (physical address)
Post Office Box 389 (mailing address)
Newton, NC 28658

828-465-8224 (phone)
828-465-8477 (fax)
danderson@catawbacountync.gov

Definitions

Landfill Gas: For the purposes of this Request For Proposals, Landfill Gas is defined as raw, untreated gas that is a naturally occurring byproduct of the decomposition of waste in the Blackburn Resource Recovery Facility (Blackburn Landfill).

Background

Catawba County's EcoComplex is designed to build on synergetic relationships between its components and encourage the development and use of alternative energy. The first of those relationships is the County's landfill gas to energy renewable energy project. While most landfills simply flare or burn off their landfill gas that is produced within their landfills, Catawba County's Board of Commissioners decided to invest in capturing the landfill gas coming from the County's Landfill and use it to generate electricity.

Catawba County's landfill gas to energy project began in 1998 when the Board of Commissioners approved a \$2.8 million investment creating one of the first publicly owned landfill gas to energy projects in the United States.

The project consists of three methane to electricity engine/generator sets made by the Austrian company Jenbacher Energiesystems, each capable of generating one mega-watt of electricity. (The average production over the last 3 fiscal years is 20,576 megawatt hours per year).

According to the USEPA, the energy benefits for a typical 3 MWh electricity generation project are approximately equal to powering 1,900 homes. The environmental benefits from such a project are approximately equal to:

- The annual greenhouse gas emissions from 23,600 passenger vehicles, or
- The amount of carbon sequestered annually by 29,300 acres of pine forests, or
- The carbon dioxide emissions from burning 670 railcars worth of coal, or 14.6 million gallons of gasoline.

In North Carolina, the Renewable Energy and Portfolio Standard (REPS) requires that public utilities generate 3% of their retail sales from a renewable energy source by 2012 and increases that up to at least 12.5% of their retail sales by 2021.

Trade Secret

Upon receipt at the Purchasing Office, your Proposal is considered public record except for material which qualifies as "trade secret" information under NC General Statute 66-152 et seq. After the Proposal opening, your Proposal will be reviewed by the County's evaluation committee, as well as other County staff and members of the general public who submit public records requests. To properly designate material as trade secret under these circumstances, each Proposer must take the following precautions: (a) any trade secrets submitted by a Proposer must be submitted in a separate, sealed envelope marked "Trade Secret – Confidential and Proprietary Information – Do Not Disclose Except for the Purpose of Evaluating this Proposal", and (b) the same trade secret/confidentiality designation must be stamped on each page of the trade secret materials contained in the envelope.

In submitting a Proposal, each Proposer agrees that the County may reveal any trade secret materials contained in such response to all County staff and County officials involved in the selection process, and to any outside consultant or other third parties who serve on the evaluation committee or who are hired by the County to assist in the selection process. Furthermore, each Proposer agrees to indemnify and hold harmless the County and each of its officers, employees, and agents from all costs, damages, and expenses incurred in connection with refusing to disclose any material which the Proposer has designated as a trade secret. Any Proposer that designates its entire Proposal as a trade secret may be disqualified.

Qualifications

Respondent must submit evidence that they have relevant past experience and have previously delivered services similar to those requested. Each respondent may also be required to show that it has satisfactorily performed similar work in the past and that no claims of any kind are pending against such work. No proposal will be accepted from a firm that is engaged in any work that would impair its ability to perform or finance this work. Respondent must be legal to operate in North Carolina. Respondent shall also provide references for project cited as relevant experience.

Supply an overview of your company and include the following: company history, number of employees, comprehensive list of services, credit rating or information, references, and any other relevant information.

Any questions regarding this Request for Proposal should be directed in **writing** to Debbie Anderson, Purchasing Manager, at danderson@catawbacountync.gov

Right to Reject Proposals

Catawba County reserves the right to reject any and or all proposals received and to waive any informality as may be permitted by law.

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INTENT TO PROPOSE

Please fax this form to ensure receipt of any addenda issued. **All addenda will be published on our WEB site under Bid Notices at www.catawbacountync.gov.**

Please fax the following information to Debbie Anderson, Purchasing Manager one week before the proposal due date at 828-465-8477. Form can also be scanned and forwarded as a PDF to danderson@catawbacountync.gov

Name _____ Title _____

Organization _____

Address _____

E-Mail Address _____

Phone Number _____

Fax _____

Authorized Signature _____ Date _____

Please check all that apply

____ We **do** intend to submit a proposal for Catawba County RFP #16-1002 Purchase Landfill Gas

____ We **do not** intend to submit a proposal for Catawba County RFP #16-1002

____ I did not receive a notice from Catawba County, please add me Catawba County's database

____ Please delete me from Catawba County's database